



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,933	11/14/2003	Hong Yeon Kim	123056-05004470	7425

43569 7590 06/07/2006

MAYER, BROWN, ROWE & MAW LLP
1909 K STREET, N.W.
WASHINGTON, DC 20006

EXAMINER

CAMPOS, YAIMA

ART UNIT	PAPER NUMBER
----------	--------------

2185

DATE MAILED: 06/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/706,933	KIM ET AL.	
	Examiner	Art Unit	
	Yaima Campos	2185	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1-4 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. The examiner acknowledges the applicant's submission of the amendment dated April 6, 2006. At this point claims 1-4 have been amended and no claims have been cancelled. Thus, 4 claims; 3 independent claims and 1 dependent claim are pending in the instant application.

I. OBJECTIONS TO THE SPECIFICATION

Claim Objections

2. The following is a quotation of *MPEP § 2173.05(s) Reference to Figures or Table*:

Where possible, claims are to be complete in themselves. Incorporation by reference to a specific figure or table "is permitted only in exceptional circumstances where there is no practical way to define the invention in words and where it is more concise to incorporate by reference than duplicating a drawing or table into the claim. Incorporation by reference is a necessity doctrine, not for applicant's convenience." Ex parte Fressola, 27 USPQ2d 1608, 1609 (Bd. Pat. App. & Inter. 1993) (citations omitted). Reference characters corresponding to elements recited in the detailed description and the drawings may be used in conjunction with the recitation of the same element or group of elements in the claims. See MPEP § 608.01(m).

3. **Claims 1, 3 and 4** are objected to because these claims contain a table as part of the claimed subject matter. Applicant might consider amending these claims to define the invention in words/text.

For example, Applicant might consider drafting the table contained in claim 1 as words/text written in the form of *if statements* as follows:

If using Detection consistency Policy and access mode is Read access, the required buffer locking mode is Weak Shared (WS).

4. **Claims 1-4** are objected to because of the following informalities:

Art Unit: 2185

1. As per **claim 1**

- The term “multi-DBMS” (line 3) renders this claim indefinite and should be changed to **multi-Database Management System**.
- The terms WS, S, WX and X render claim 1 indefinite. Applicant might consider defining these terms as **wherein WS is weak shared, S is shared, WX is weak exclusive and X is exclusive**.

2. As per **claim 2**

- The term “step” (line 2) should be changed to **steps**.
- The term “block in state” (line 3) should be changed to **block in a state**.

3. As per **claim 3**

- The term “DBMS” (line 1) renders this claim indefinite and should be changed to **Database Management System**.
- The terms WX, X, WS, S, NL and T render this claim indefinite and should be defined as **wherein WX is weak exclusive and X is exclusive, WS is weak shared, S is shared, NL is no lock, T means that the lock authority of the system does not have to update to approve the requested locking and F means that the lock authority of the system should be updated to approve the requested locking**.

4. As per **claim 4**

- The term “DBMS” (line 2) renders this claim indefinite and should be changed to **Database Management System**.

- The terms WX, X, WS, S and NL render this claim indefinite and should be changed defined as wherein WX is weak exclusive and X is exclusive, WS is weak shared, S is shared and NL is no lock.

5. Appropriate correction is required.

II. CITATION OF RELEVANT ART

6. The reference Mohan (US 5,551,046) was not correctly cited in the last Office action. The correct citation is shown on the attached PTO-892.

III. CLOSING COMMENTS

Conclusion

a. STATUS OF CLAIMS IN THE APPLICATION

7. The following is a summary of the treatment and status of all claims in the application as recommended by M.P.E.P. § 707.07(i):

a(1) ALLOWABLE SUBJECT MATTER

8. The following is an examiner's statement of reasons for allowance:

9. Per the instant office action, claims 1-4 are considered to contain allowable subject matter.

5. The prior art of record neither anticipates nor renders obvious the above-recited combinations.

VI. DIRECTIONS OF FUTURE CORRESPONDENCE

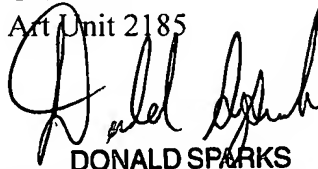
1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yaima Campos whose telephone number is (571) 272-1232 and email address is Yaima.Campos@uspto.gov. The examiner can normally be reached on Monday to Friday 8:30 AM to 5:00 PM.

IMPORTANT NOTE

2. If attempts to reach the above noted Examiner by telephone or email are unsuccessful, the Examiner's supervisor, Mr. Donald Sparks, can be reached at the following telephone number: Area Code (571) 272-4201.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

May 23, 2006

Yaima Campos
Examiner
Art Unit 2185

DONALD SPARKS
SUPERVISORY PATENT EXAMINER